

Docket No.: 8733.341.00

## ***Declaration, Power of Attorney and Petition***

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### **Array Substrate for Liquid Crystal Display Device and the Fabrication Method of the Same**

the specification of which

☐ is attached hereto.

☒ was filed on December 12, 2000

as Application Serial No. 09/734,009

and amended on \_\_\_\_\_

We (I) hereby state that we (I) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We (I) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

We (I) hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s)

Application No.	Country	Day/Month/Year	Priority Claimed
<u>1999-58109</u>	<u>KOREA</u>	<u>16 December 1999</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

We (I) hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

We (I) hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of

this application.

Application Serial No.

Filing Date

Status (pending, patented, abandoned)

And we (I) hereby appoint Song K. Jung, Reg. No. 35,210; John M. Kelly, Reg. No. 33,920; Kenneth D. Springer, Reg. No. 39,843; and Rebecca A. Goldman, Reg. No. 41,786 and as our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to Song K. Jung of Long Aldridge & Norman LLP, Attorneys At Law, 6<sup>th</sup> Floor, 701 Pennsylvania Avenue, N.W., Washington, D.C. 20004.

We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**Soon-Sung YOO**

NAME OF FIRST SOLE INVENTOR

*Soon-Sung Yoo*

Signature of Inventor

*Apr / 12 / 01*

Date

Residence: 202/501 Kumbong Apt.,

Hwangsang-dong, Kyoungsangbuk-do

Kumi-shi 730-330, KOREA

Citizen of: Republic of Korea

Post Office Address: Same As Above

**Yong-Wan KIM**

NAME OF SECOND JOINT INVENTOR

*Yong-Wan Kim*

Signature of Inventor

*Apr / 16 / 01*

Date

Residence: P1 Process Technology Team,

642-3bunji, Chinpyong-dong, Kyoungsangbuk-do

Kumi-shi 730-360, KOREA

Citizen of: Republic of Korea

Post Office Address: Same As Above

**Yu-Ho JUNG**

NAME OF THIRD JOINT INVENTOR

*Yu Ho Jung*

Signature of Inventor

*Apr / 12 / 01*

Date

Residence: P1 Process Technology Team,

642-3bunji, Chinpyong-dong, Kyoungsangbuk-do

Kumi-shi 730-360, KOREA

Citizen of: Republic of Korea

Post Office Address: Same As Above

**Woo-Chae LEE**

NAME OF FOURTH JOINT INVENTOR

*Woochae Lee*

Signature of Inventor

*Apr / 06 / 01*

Date

Residence: P1 Process Technology Team,

642-3bunji, Chinpyong-dong, Kyoungsangbuk-do

Kumi-shi 730-360, KOREA

Citizen of: Republic of Korea

Post Office Address: Same As Above



8757-241.00 JN  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 09, 2001

PTAS

LONG ALDRIDGE & NORMAN LLP  
JOHN M. KELLY  
701 PENNSYLVANIA AVENUE, N.W.  
6TH FLOOR  
WASHINGTON, DC 20004



\*101691948A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/20/2001

REEL/FRAME: 011723/0513

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

YOO, SOON-SUNG

DOC DATE: 04/12/2001

ASSIGNOR:

KIM, YONG-WAN

DOC DATE: 04/16/2001

ASSIGNOR:

JUNG, YU-HO

DOC DATE: 04/12/2001

ASSIGNOR:

LEE, WO-CHAE

DOC DATE: 04/06/2001

ASSIGNEE:

LG.PHILIPS LCD CO., LTD.  
20, YOIDO-DONG, YOUNGDUNGPO-KU  
SEOUL, REPUBLIC OF KOREA

SERIAL NUMBER: 09734009

FILING DATE: 12/12/2000

PATENT NUMBER:

ISSUE DATE:

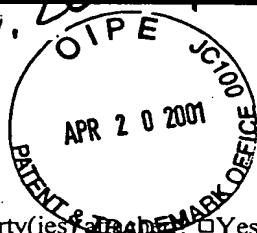
163



101691948

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Soon-Sung YOO  
Yong-Wan KIM  
Yu-Ho JUNG  
Wo-Chae LEE

2. Name and address of receiving party(ies):

Name: LG.Philips LCD Co., Ltd.

Address: 20, Yoido-dong, Youngdungpo-ku  
Seoul, KOREAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: April 2, 2001

Additional name(s) and address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: -

A. Patent Application No.(s)

09/734,009

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

LONG ALDRIDGE & NORMAN LLP  
701 Pennsylvania Avenue, N.W.  
6<sup>th</sup> Floor  
Washington, D.C. 20004

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 50-0911

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

John M. Kelly

Name of Person Signing

Registration Number: 33,920

Signature

April 20, 2001

Date

Total number of pages including this cover sheet: 3

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

04/26/2001 GT0N11 00000356 09734009

01 FC:581

40.00 OP

## *Assignment of Application*

WHEREAS, I (WE) 1) Soon-Sung YOO; 2) Yong-Wan KIM; 3) Yu-Ho JUNG;  
and 4) Woo-Chae LEE, respectively,

have invented certain new and useful improvements in:

Array Substrate for Liquid Crystal Display Device and the Fabrication Method of the  
Same

for which an application for Letters Patent was executed on \_\_\_\_\_

(Application No. 09/734,009, Filed December 12, 2000), and

WHEREAS, LG.Philips LCD Co., Ltd.

(hereinafter referred to as "ASSIGNEE") having a place of business at:  
20 Yoido-dong, Youngdungpo-gu, Seoul, KOREA

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Long Aldridge & Norman LLP, Attorneys at Law, 6<sup>th</sup> Floor, 701 Pennsylvania Avenue, N.W., Washington, D.C. 20004 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Apr /12 /01 Soon-Sung YOO  
(Signature of Inventor)  
1) Soon-Sung YOO

Date: Apr /16 /01 Yong-Wan Kim  
(Signature of Inventor)  
2) Yong-Wan KIM

Date: Apr /12 /01 Yu Ho Jung  
(Signature of Inventor)  
3) Yu-Ho JUNG

Date: Apr /06 /01 Woo-Chae Lee  
(Signature of Inventor)  
4) Woo-Chae LEE

Long Aldridge & Norman LLP  
Attorneys At Law  
6<sup>th</sup> Floor, 701 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004